

10/506513



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004

TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

4 <110> APPLICANT: APPLERA CORPORATION
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
 7 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
 8 AND USES THEREOF
 10 <130> FILE REFERENCE: CL001362-US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/506,513
 C--> 13 <141> CURRENT FILING DATE: 2004-09-03
 15 <150> PRIOR APPLICATION NUMBER: 60/361,335
 16 <151> PRIOR FILING DATE: 2002-03-05
 18 <160> NUMBER OF SEQ ID NOS: 4
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1551
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo Sapien
 27 <400> SEQUENCE: 1

ENTERED

28 atggtgctct	cccaggagga	gccggactcc	gcgcggggca	cgagcgaggc	gcagccgctc	60
29 ggccccgcgc	ccacgggggc	cgctccgccc	cccggcccgg	gacctcggga	cagccccgag	120
30 gcggctgtcg	agaaggtgga	ggtggagctg	gcggggccgg	cgaccgcgga	gccccatgag	180
31 cccccgaac	cccccgaggg	cggctggggc	tggctggtga	tgctggcggc	catgtggtgc	240
32 aacgggtcgg	tgttcggcat	ccagaacgct	tgcggggtgc	tcttcgtgtc	catgctggaa	300
33 accttcggct	ccaaagacga	tgacaagatg	gtctttaaga	cagcagcatg	ggtaggttct	360
34 ctctccatgg	ggatgatttt	cttttctgtc	ccaatagtca	gcgtcttcac	agacctattt	420
35 ggttgctcga	aaacagctgt	cgtgggtgct	gctgttggat	ttgttgggct	catgtccagt	480
36 tctttttgta	gttccatcga	gcctctgtac	cttacctatg	gaatcatatt	tgcttgccgc	540
37 tgctcctttg	cataccagcc	ttcattggtc	attttgggac	actatttcaa	gaagcgcctt	600
38 ggactggtga	atggcattgt	cactgctggc	agcagtgtct	tcacaatcct	gctgcctttg	660
39 ctcttaaggg	ttctgattga	cagcgtgggc	ctcttttaca	cattgagggt	gctctgcatc	720
40 ttcattgttt	ttctctttct	ggctggcttt	acttacggac	ctcttgctac	cagtacccaa	780
41 gataaagaga	gtggaggtag	cggatcctcc	ctcttttcca	ggaaaaagtt	cagtcctcca	840
42 aaaaaaattt	tcaattttgc	catcttcaag	gtgacagctt	atgcagtgtg	ggcagttgga	900
43 ataccacttg	cacttttttg	atactttgtg	ccttatgttc	acttgatgaa	acatgtaaat	960
44 gaaagatttc	aagatgaaaa	aaataaagag	gttgttctca	tgtgcattgg	cgtcacttca	1020
45 ggagttggac	gactgctctt	tggccggatt	gcagattatg	tgccctggtg	gaagaagggt	1080
46 tacttacagg	tactctcctt	tttcttcatt	ggtctgatgt	ccatgatgat	tcctctgtgt	1140
47 agcatccttg	gggcccctcat	tgctgtgtgc	ctcatcatgg	gtctcttcga	tggatgtctc	1200
48 atttccatta	tggctcccat	agcctttgag	ttagttggtg	cccaggatgt	ctcccaagca	1260
49 attggatttc	tgctcggatt	catgtctata	cccatgactg	ttggcccacc	cattgcaggg	1320
50 ttacttcgtg	acaaactggg	ctcctatgat	gtggcattct	acctcgctgg	agtcctctcc	1380
51 cttattggag	gtgctgtgct	ttgttttatc	ccgtggatcc	atagtaagaa	gcaaagagag	1440
52 atcagtaaaa	ccactggaaa	agaaaagatg	gagaaaatgt	tggaaaacca	gaactctctg	1500
53 ctgtcaagtt	catctggaat	gttcaagaaa	gaatctgact	ctattattta	a	1551
55 <210> SEQ ID NO: 2						

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,513

TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

56 <211> LENGTH: 516

57 <212> TYPE: PRT

58 <213> ORGANISM: Homo Sapien

60 <400> SEQUENCE: 2

```

61 Met Val Leu Ser Gln Glu Glu Pro Asp Ser Ala Arg Gly Thr Ser Glu
62 1 5 10 15
63 Ala Gln Pro Leu Gly Pro Ala Pro Thr Gly Ala Ala Pro Pro Gly
64 20 25 30
65 Pro Gly Pro Ser Asp Ser Pro Glu Ala Ala Val Glu Lys Val Glu Val
66 35 40 45
67 Glu Leu Ala Gly Pro Ala Thr Ala Glu Pro His Glu Pro Pro Glu Pro
68 50 55 60
69 Pro Glu Gly Gly Trp Gly Trp Leu Val Met Leu Ala Ala Met Trp Cys
70 65 70 75 80
71 Asn Gly Ser Val Phe Gly Ile Gln Asn Ala Cys Gly Val Leu Phe Val
72 85 90 95
73 Ser Met Leu Glu Thr Phe Gly Ser Lys Asp Asp Asp Lys Met Val Phe
74 100 105 110
75 Lys Thr Ala Ala Trp Val Gly Ser Leu Ser Met Gly Met Ile Phe Phe
76 115 120 125
77 Cys Cys Pro Ile Val Ser Val Phe Thr Asp Leu Phe Gly Cys Arg Lys
78 130 135 140
79 Thr Ala Val Val Gly Ala Ala Val Gly Phe Val Gly Leu Met Ser Ser
80 145 150 155 160
81 Ser Phe Val Ser Ser Ile Glu Pro Leu Tyr Leu Thr Tyr Gly Ile Ile
82 165 170 175
83 Phe Ala Cys Gly Cys Ser Phe Ala Tyr Gln Pro Ser Leu Val Ile Leu
84 180 185 190
85 Gly His Tyr Phe Lys Lys Arg Leu Gly Leu Val Asn Gly Ile Val Thr
86 195 200 205
87 Ala Gly Ser Ser Val Phe Thr Ile Leu Leu Pro Leu Leu Leu Arg Val
88 210 215 220
89 Leu Ile Asp Ser Val Gly Leu Phe Tyr Thr Leu Arg Val Leu Cys Ile
90 225 230 235 240
91 Phe Met Phe Val Leu Phe Leu Ala Gly Phe Thr Tyr Arg Pro Leu Ala
92 245 250 255
93 Thr Ser Thr Lys Asp Lys Glu Ser Gly Gly Ser Gly Ser Ser Leu Phe
94 260 265 270
95 Ser Arg Lys Lys Phe Ser Pro Pro Lys Lys Ile Phe Asn Phe Ala Ile
96 275 280 285
97 Phe Lys Val Thr Ala Tyr Ala Val Trp Ala Val Gly Ile Pro Leu Ala
98 290 295 300
99 Leu Phe Gly Tyr Phe Val Pro Tyr Val His Leu Met Lys His Val Asn
100 305 310 315 320
101 Glu Arg Phe Gln Asp Glu Lys Asn Lys Glu Val Val Leu Met Cys Ile
102 325 330 335
103 Gly Val Thr Ser Gly Val Gly Arg Leu Leu Phe Gly Arg Ile Ala Asp
104 340 345 350
105 Tyr Val Pro Gly Val Lys Lys Val Tyr Leu Gln Val Leu Ser Phe Phe

```

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,513

TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

106	355	360	365	
107	Phe Ile Gly Leu Met Ser Met Met Ile Pro Leu Cys Ser Ile Phe Gly			
108	370	375	380	
109	Ala Leu Ile Ala Val Cys Leu Ile Met Gly Leu Phe Asp Gly Cys Phe			
110	385	390	395	400
111	Ile Ser Ile Met Ala Pro Ile Ala Phe Glu Leu Val Gly Ala Gln Asp			
112	405	410	415	
113	Val Ser Gln Ala Ile Gly Phe Leu Leu Gly Phe Met Ser Ile Pro Met			
114	420	425	430	
115	Thr Val Gly Pro Pro Ile Ala Gly Leu Leu Arg Asp Lys Leu Gly Ser			
116	435	440	445	
117	Tyr Asp Val Ala Phe Tyr Leu Ala Gly Val Pro Pro Leu Ile Gly Gly			
118	450	455	460	
119	Ala Val Leu Cys Phe Ile Pro Trp Ile His Ser Lys Lys Gln Arg Glu			
120	465	470	475	480
121	Ile Ser Lys Thr Thr Gly Lys Glu Lys Met Glu Lys Met Leu Glu Asn			
122	485	490	495	
123	Gln Asn Ser Leu Leu Ser Ser Ser Ser Gly Met Phe Lys Lys Glu Ser			
124	500	505	510	
125	Asp Ser Ile Ile			
126	515			
128	<210> SEQ ID NO: 3			
129	<211> LENGTH: 139573			
130	<212> TYPE: DNA			
131	<213> ORGANISM: Homo Sapien			
133	<400> SEQUENCE: 3			
134	aatgggtatt ttgtagactg tccttgattg ggatttgtct aatgtttttc tgatgggttag	60		
135	ccagggatta tgggttttgg caggaagacc acagaggtaa agtaccattt tcatcacatc	120		
136	atatcgggga tacattatca tctagttagg gtactgtgtg ccattttttg caccctaaag	180		
137	ttattttcttc cccccactcc ccctttccat cctatactct ttggaagaaa gttactacgc	240		
138	atacccacac ttaaagagta aaccattgta cttcacctcc atgagggagg gagtatgttc	300		
139	ataaagtatt tacatttcct gcaggagaga tttgtctatt ctctcctcat tatttattta	360		
140	atcatttact tacatcagta ctgactcgtg gataattctt acatatgtgt ttgtttgtgt	420		
141	gcatgcaaat atataatcga tgtgctttct ttgcccaata atatgttgtg gacaactttc	480		
142	aaagtcaata aatacagatg accttcagaa ctttttagagg ttttaaagta agtatcta	540		
143	cagtcttcta ccaatgtaca ttatacttcc aaattttcct tatttccaac aatactgggg	600		
144	tatcatcttc atacatacat ttttgtgcac ttatgtgcct attcctttgt ttactatttt	660		
145	accctcattt ctaaggcaga ttacacttga gctatgttcc ccattccaca accaagcacg	720		
146	gcttgctttc cttagtattat gctattttct ctacctggaa tgctcttttc ctgtcttgac	780		
147	ccactgaagt cgtatgtatg aatcagggtc tcggccaaag gctgtttgct gtagaggctc	840		
148	ttctacagtg tttggagaga atttaaggga ctatctcatc tctctctttt gtacatgtat	900		
149	tataacacat catctgagcc tcctagtctc tcccaggact cttttttcct accagtttat	960		
150	caactgataa gaggcagaaa cgagatcaat cgcactcatc tgtgtactct atcacagtgg	1020		
151	tgggcacatc aagtaactag catattttga ctttgattga agtgaagaat acgaataaca	1080		
152	gaaattaaga agcatcctca atattgcata gcaggttact cttcttttct tttacatagg	1140		
153	atggcactcc atgcttcagg gagacagagg agttgaatac aggttttagt ttttgtttaa	1200		
154	agtgaatacg actctgatgt agttgaaaag taatgctttc tagctgtctg ttaaaaatgt	1260		
155	ttgttggttg aagacttcgg aattgcagtc cagtgaggac tgaaaataag catctttggt	1320		
156	gtgccaaata ttcataagga aattgtatac gaatgcaaga gaatggaact gaagtaataa	1380		

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,513

TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

157	aataagggct	ctgatccttc	agatgactta	tttaagaagc	caggtggcat	aacgaatctt	1440
158	acataattata	attagtactg	agaggtgaat	gccaaaacat	aaaacaaaca	caatcgagac	1500
159	aatgttagtg	tgactgtgac	gctgtgtcgg	tgagttgagg	ctaacgatcc	agtgtggctc	1560
160	tcctgaaggc	ccaccgcgcc	cgcacctagg	agacgcgccc	cttctgctca	tgctttgagg	1620
161	cggggtgacc	cacacatctg	tgccctcttc	tgagcaggag	gaggccccgt	cgcagacgcg	1680
162	cgcgcagaca	gcgtctgcgc	cgggcacctg	gggcgcgcgc	cgcgcggggc	ccccgcctcc	1740
163	gctctccgag	gcccaatcat	ctggaggctg	tgggggcacg	tcccgcctcc	ggccacgccc	1800
164	ccagccggcg	gggcgggggg	tgcttttaag	aaccggcggc	tggcagtggg	ctcagtcggg	1860
165	ggtgcggggc	tgtgacctag	aggcttcagt	gtcgatcccc	gaggtgttcg	cgcgcgccag	1920
166	ctgtcctcgc	ggcgcctgc	gcgctggcgc	cctgcgcgct	gccagcccg	cgcgcgccca	1980
167	ggggctccgc	cgcctcgcgc	tcggcctcgt	tagcccgcca	ggagccccgc	agctcctccg	2040
168	ggagcccgct	ggtaactcgc	gtccctcgcg	cttctccggc	gcctgagggg	cccgcctcgg	2100
169	gccatggtgc	tctcccagga	ggagccggac	tccgcgcggg	gcacgagcga	ggcgcagccg	2160
170	ctcggccccc	cgcacacggg	ggccgctccg	ccgcccggcc	cgggaccttc	ggacagcccc	2220
171	gaggcggctg	tcgagaaggt	ggaggtggag	ctggcggggc	cggcgaccgc	ggagccccat	2280
172	gagccccccg	aaccccccca	gggcggctgg	ggctggctgg	tgatgctggc	ggccatgtgg	2340
173	tgcaacgggt	cgggtgttcg	catccagaac	gcttgccggg	tgctcttcgt	gtccatgctg	2400
174	gaaaccttcg	gctccaaaga	cgatgacaag	atggtcttta	agacaggtga	ggcgcggcgc	2460
175	ccgccgaggc	cagcctgggc	gacccgcgtg	gggcccccca	gcgcatcccg	cgtgtgggct	2520
176	gtgtctgcct	ccgagtgtgc	atgtcgggtg	gtccctgtgc	cagaggggtg	gagcaggggg	2580
177	gtctttcgag	ttgcagacag	agcctgccgc	ttctggggcc	tcgggggtgc	cgtctttata	2640
178	tggaatccag	ctgcagagct	gtgtgtttgc	aagcaggtcg	cagaacttac	ttgccgagat	2700
179	cgtcctcctt	tcccctcagc	agagcagacg	ctaacagtcc	acaggagccc	ttccttttat	2760
180	tgtttgaaaa	caaacagaac	cccagaacct	tcaaccccag	tcctgcctcc	gtcatttttg	2820
181	tggtctcttt	cgtgactatg	ccagttatgt	agttcttcac	ctgcctccct	gggcccgcga	2880
182	ggggtgtgcg	tatgttggcg	gggcgggggg	tggagtttgg	aggaatgaaa	gagatttgta	2940
183	cgaaggtcac	tggagttcca	aagggggccc	tgcaagagtc	acggttccgt	gcgttcccgt	3000
184	ccccccgcct	ttttttgccc	tctgggttaa	atgtagaaaa	cacgggaggc	agccggatta	3060
185	gggactagga	tgaggaaggt	gaagggttgc	ttcttccttc	ttcctgttgt	gttttttgac	3120
186	attttttttt	aaccatatag	taaattagat	acaaaagggtg	cagattcagc	gtttttctcc	3180
187	tgtagagcat	tattatgact	ttttggctgg	ttaggcaaaa	aacaaatcta	agaccttctg	3240
188	catgacactt	taacataaat	tctttcactt	tatcctgcaa	ggtgagcgcg	gtcaacccca	3300
189	tttgggtgag	aaaactgtag	ctcagtgaag	gtgtcttggt	gggtagtaga	atggcaataa	3360
190	aacacatatc	aactgacttc	aagggctaag	tgatttccat	tactaaatca	acctccctcc	3420
191	ccatcatttg	gggtaacttt	atatgattaa	tagtcttttt	ttttaacctt	gattttctat	3480
192	tattttttaga	gtgaatattt	cttaggtcct	tagtatgcat	atgaggaatg	ggcaagactg	3540
193	taataaatcc	tgagacaaaag	gtaatgctgg	gttatgctga	gagttttaaa	acctgacata	3600
194	aataactatta	aactatttgt	atcattctgc	aacttacttt	tcttccattc	cgcacatgtg	3660
195	ttgtgactta	tccacataat	acctcagtgt	gaactgataa	ctcaaattct	ttccatttta	3720
196	acttaggtgg	tttgcatgtg	ttgactatat	tatactctat	gcattctccc	tctgatgggc	3780
197	attttagattg	cttccaaact	cattctaaac	aactgtgcaa	tgaatattct	tgtacactct	3840
198	cgttatgcat	gtgaatacgg	taccatttta	acctggaatt	tctgttcttt	aaatagctat	3900
199	tgaactgctg	gtggatgcg	ggtcaatggg	ctaggtacaa	aaagtgttaa	aaatgtagta	3960
200	acatatcctt	accattttaag	ggaagtaatc	attgtaaagt	ttagcagggg	agatatgcat	4020
201	atataatagc	aaacaaaaat	agtttggtgt	cttttctata	tgagtattgg	gtgtcagaga	4080
202	gaaaagcccc	aaaagaaggc	agaattgaca	gagttaacat	ttaaagacta	gttccaacat	4140
203	ttaccatatt	cctgcctggg	attacagatt	ttttaatgca	gtcaagataa	cagcagctct	4200
204	ttgtttatca	ttgtttttgc	aaattcagtt	aagtagatcc	tttgggtgtc	gtgggtgggt	4260
205	tttttttttt	tttttttttt	tttttttttt	tttttttgag	agagagagag	agcaattgcc	4320

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,513

TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

206	agagagacca	tagctttgcc	agggatgaga	atthttgcagt	gtcaaagtct	ctacctacta	4380
207	cttgtcccca	aagttcta	tggctacaca	atatcccaat	actgggtagc	tgagagtga	4440
208	ggaaggaacc	tggtttttct	tttgcactct	gtggaacttt	gtgttttcca	ttttgatgaa	4500
209	tatctttttt	ctttttactc	agttcagctc	ttgacaactt	tttcagtcac	gtttgtgtat	4560
210	gtgtgggtat	atatcatata	aacagttgca	caggtgtgct	agttaaatgt	gtgaagatct	4620
211	ttgtgtttct	ctgcctgact	gctgtatata	tatttatggg	tgtgccattg	cacaaggggtg	4680
212	cccaactcag	gggtaagtgg	ggactgaaaa	ccagcctggg	ctctgggtgc	cctttgtctg	4740
213	attcctacag	aagggcccta	tgcacttgta	atggccctgt	ataacacagc	atctagattg	4800
214	aacaatggcc	attacttggg	tgctaggtaa	tacatatatg	actgatagat	gttaagggct	4860
215	gaggaagaaa	acagatttaa	acttagtgct	gaaaaaatgg	ttacaagata	gtctttaagc	4920
216	cagttattgt	tgagatctct	ctctcttccc	ctgtccctta	cccccttctc	tttcttccag	4980
217	tgcacacaca	cacacacaaa	gggtgttcat	gaagtccctc	atctaccaca	gtcactgtta	5040
218	tttgagaata	tctgctttga	agtttgattg	gtcacacttt	ttcactttga	tattcgaatg	5100
219	ctgagtcgtc	tgtgatcaag	catatgcaag	cttcaaatac	atgccaaaaa	atatctggaa	5160
220	tttgtttaag	cctttttatt	ttcaaagttt	tgggtctattt	tctattaccg	tactcatgat	5220
221	ggataatcct	gggtgttagag	tacagctagt	tctgtctcct	tgtttccatt	acttctttat	5280
222	agcaagtga	tagcctaagg	atatacaggg	aggtgggtgg	ggaatggaat	ctaggtctcc	5340
223	aatgatggg	gcgcatctct	tgagtacttt	cctgtggcta	agcactttag	atgcgttctc	5400
224	atttaaacct	taccacgatt	ctctgataga	ccttggtta	atctttcttt	tcagatatgg	5460
225	gaactcaggc	ttacagagtt	taagtaagaa	gtggagccag	aattcaacct	caggcttctc	5520
226	tgactctaag	agctgggatt	tttattttta	ttattttatt	atttaaaata	tggaaatgct	5580
227	catgaatttg	catgtcatcc	ttgttcaggg	gtcacgctaa	tcttctctgt	gtcattccaa	5640
228	ttttagtaga	ttgttgttca	aagtgtgctg	gaagcaagca	ccaggagctg	gggttttaac	5700
229	attcatcata	ttgcattgac	tagataaacat	tctgcaata	cgatgttttt	tatgttgttg	5760
230	attaatttta	gtgttagtga	ttggttaggt	gctctaccat	gcattctggg	attagaaaga	5820
231	agggtccctg	tttcttggtc	ctactttgtg	gtgaataaac	aattgcaaat	tattaatgtc	5880
232	tcaaactata	tttctgaagt	gtagagagac	ttccatagaa	gaacaagata	cttccatatg	5940
233	ccgttcaagc	aaaagtctgg	ggtttctctt	gaagaacttt	tagattgatc	cacagcagga	6000
234	caatgtttct	aggcagaact	gaggaggagc	ctttcttagg	ctcacttctc	ttcagggtctc	6060
235	tgttaactct	tcccacgcaa	tggataatct	acccaaaatt	tctcaggaaa	gggcctgaag	6120
236	aagttcattc	acactaaggt	gtaagtga	ttacacatct	tactgtta	tctctttata	6180
237	caaatgttta	ccaagttatc	taacacgctt	tgttttgggc	tctgtcctgg	ggactggaga	6240
238	taatgactga	gagagaaaat	gtcagctgtt	tcaaagtagc	ttaggatctg	ttgtgggata	6300
239	caaattaata	acagaccaga	agtaatagaa	tatttccctg	aaggattttc	aatataacag	6360
240	gactcagttt	tactataaaa	ggctgaaatt	ctaaggctcat	ttcaacaggt	gggtggggtg	6420
241	gggggtggga	aggcatttga	cgctcttttc	tctatggtta	taaatctcac	ttggtgaaat	6480
242	taagactttg	gaaaggggaa	gtaagccaac	tccaagttgg	gcagtagaac	caatgaaaaa	6540
243	tgtgacggc	atcacagtcc	cattatgggtg	cccagctgcc	aatgacatgg	cactcagagg	6600
244	agtgtctcac	acatactgct	ctgtctgagg	gagcaagcta	agcttgagtt	gtctcttttt	6660
245	ttgttgtttt	tttttttttt	ttttttttga	gacagattct	cactctgtcg	cccaggctgg	6720
246	agtgcagtgg	cccatctctg	gctcactgca	accactgctc	cccggatgca	agcaattctg	6780
247	cctcagcctt	ccgagttagc	ggactacctg	cgcttgccac	cacacctggc	taatttttgt	6840
248	atttttagta	gagacagggt	ttcaccatat	tggccaggct	gggtctcaaac	tcctgacctc	6900
249	gtgatccacc	tgcctcggct	tcccaaagtg	ctgggattac	aggcataagc	caccgcgctc	6960
250	ggccaagtgg	tctcttttta	gttgaatttt	tacctgttca	catgtgtatt	cttcttgctc	7020
251	aggtagagag	gaatcagaca	ctctggggaa	gaatacaaa	aaatacaatt	aagtggaa	7080
252	ttgtttttct	ttagaaagtg	caattttggg	ctgggcgcag	tggctcatgc	ctgtaatccc	7140
253	agccctttgg	gaggccaagg	caggtggatc	acctgaggtc	aggagtgtga	gaccagcctg	7200
254	gccaagatgg	tgaacccccg	tttctactaa	aaatacaaaa	aattagctgg	gcagtgtggc	7260

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004

TIME: 09:48:06

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date